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IN THE CLAIMS

The status and content of each claim follows.

- 1-8. (cancelled)
- 9. (original) A conductor roll for electroplating steel sheets, comprising:
 a central portion with a metal-containing surface;
 intermediate portions with a ceramic surface; and
 end portions with a rubber surface.
- 10. (original) The conductor roll of claim 9, wherein the ceramic surface comprises ceramic oxide materials.
- 11. (original) The conductor roll of claim 10, wherein the ceramic oxide comprises alumina, zirconia, chromia, or a combination thereof.
- 12. (original) The conductor roll of claim 11, wherein the ceramic oxide further comprises titania.
- 13. (oxiginal) The conductor roll of claim 11, wherein the zirconia further contains MgO, CeO₂, Y₂O₃, or a combination thereof.

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- 14. (original) The conductor roll of claim 9, wherein the width of the intermediate portions is greater than 10 mm.
- 15. (original) The conductor roll of claim 9, further comprising a seal over the ceramic surface.
- 16. (original) The conductor roll of claim 9, wherein the intermediate portion comprises a metal-containing substrate with a ceramic coating having a thickness ranging from about 0.2 mm to about 2 mm.
 - 17. (withdrawn) An electroplating system containing a conductor roll comprising: a central portion with a metal-containing surface; intermediate portions with a ceramic surface; and end portions with a rubber surface.
- 18. (withdrawn) The system of claim 17, wherein the intermediate portion comprises a metal-containing substrate with a ceramic coating.
- 19. (withdrawn) The system of claim 17, further comprising a seal over the ceramic surface.

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(withdrawn) A method for making a conductor roll for electroplating steel 20. sheets, comprising:

providing a central portion with a metal-containing surface; providing intermediate portions with a ceramic surface; and providing end portions with a rubber surface.

- (withdrawn) The method of claim 20, wherein the intermediate portion 21. comprises a metal-containing substrate with a ceramic coating.
- (withdrawn) The method of claim 21, including providing the ceramic coating 22. on the metal-containing substrate by spray coating a ceramic-oxide material on the substrate.
- (withdrawn) The method of claim 22, further including spray coating by using 23. plasma spray-coating.
- (withdrawn) The method of claim 22, including spray coating for a time 24. sufficient to form a coating with thickness ranging from about 0.2 to about 2 mm.
- (withdrawn) The method of claim 22, including spray coating over an area of 25. the metal-containing substrate to form a coating with a width greater than about 10 mm.

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- (withdrawn) The method of claim 20, further including providing a seal over the 26. ceramic surface.
- (withdrawn) The method of claim 21, further including spray coating a metal 27. coating on the metal-containing substrate before providing the ceramic coating.
- (withdrawn) The method of claim 27, wherein the metal of the metal coating 28. and the metal-containing substrate are the same.
- (withdrawn) A method for using a conductor roll, comprising: 29. providing a conductor roll having a central portion with a metal-containing surface, intermediate portions with a ceramic surface, and end portions with a rubber surface; immersing the conductor roll in a plating solution; and rolling a stainless steel sheet over the conductor roll.
- (withdrawn) The method of claim 29, wherein the method electroplates a 30. material in the plating solution on the stainless steel sheet.